

FIG.1

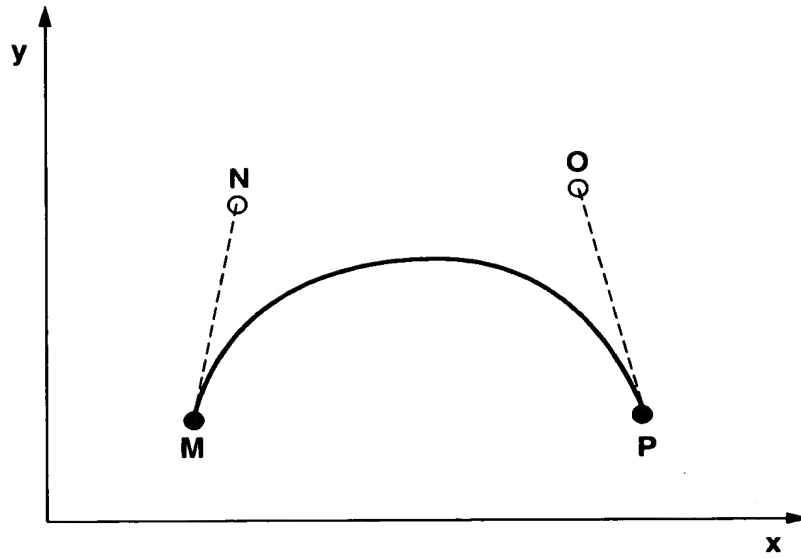


FIG.2

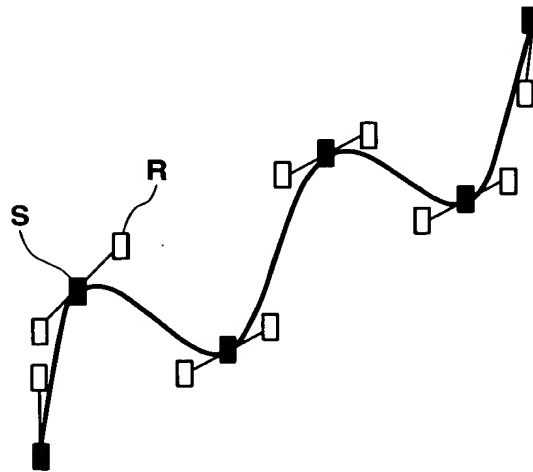


FIG.3

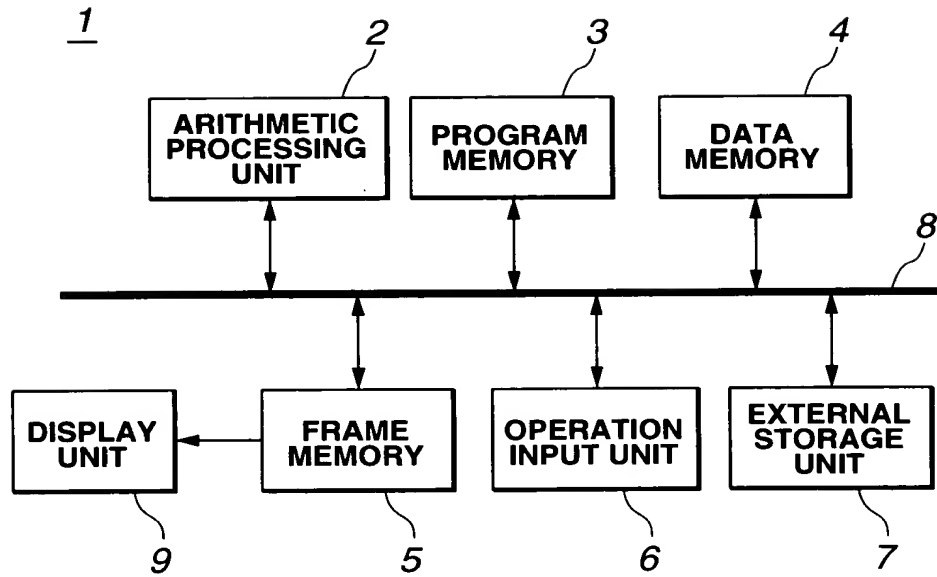


FIG.4

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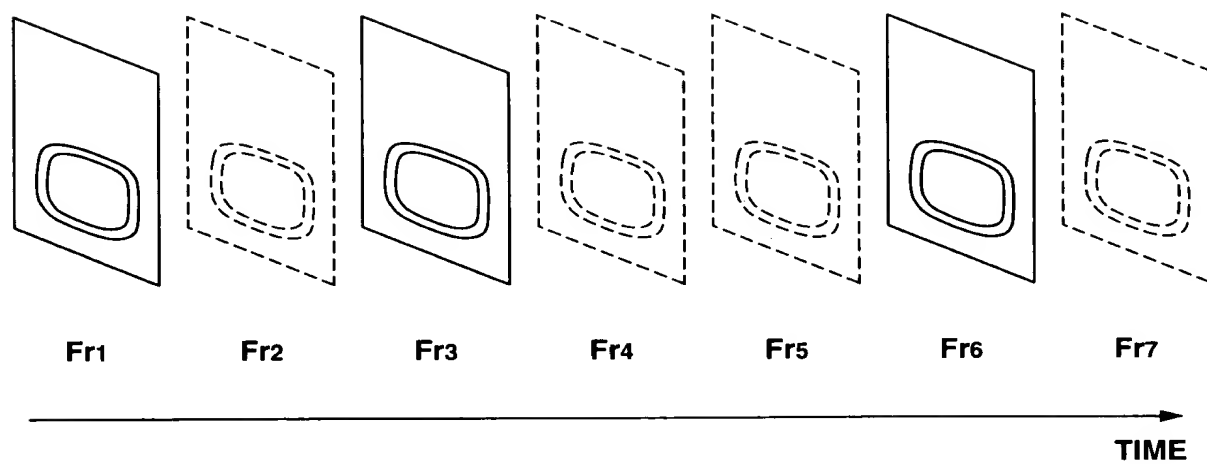
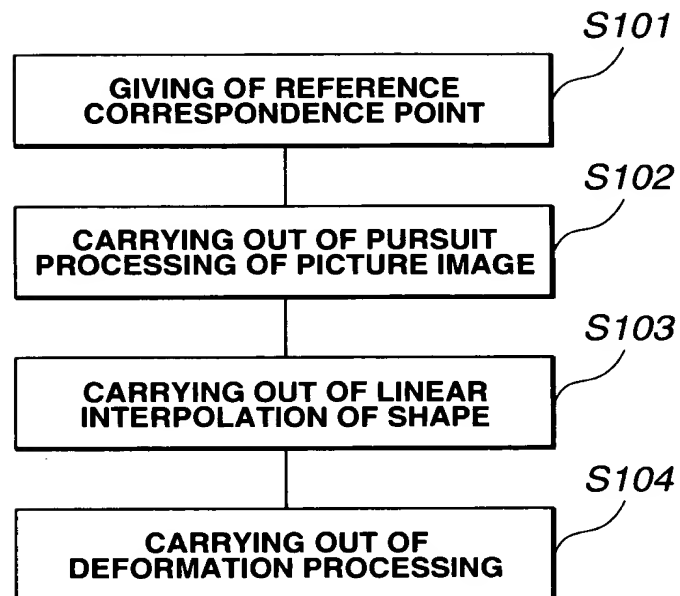


FIG.5

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**FIG.6**

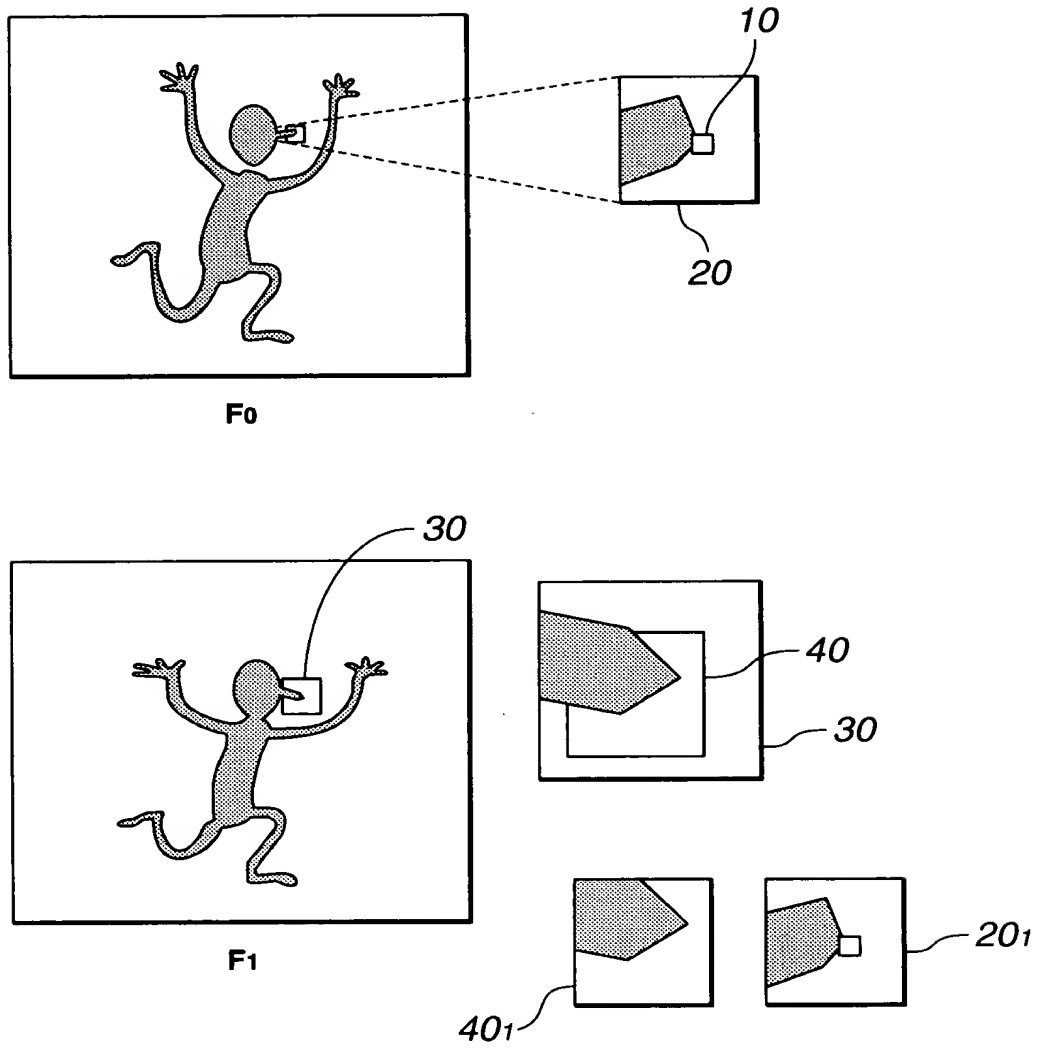


FIG.7

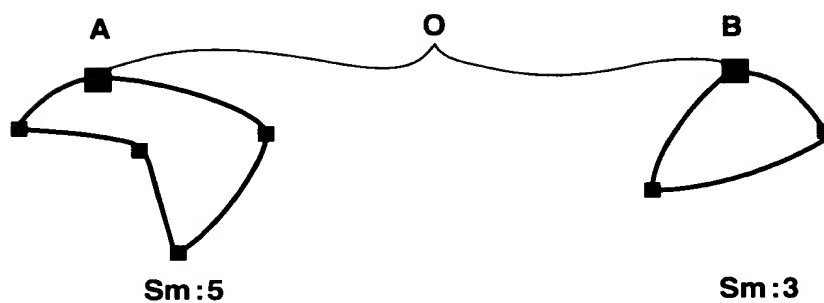


FIG.8

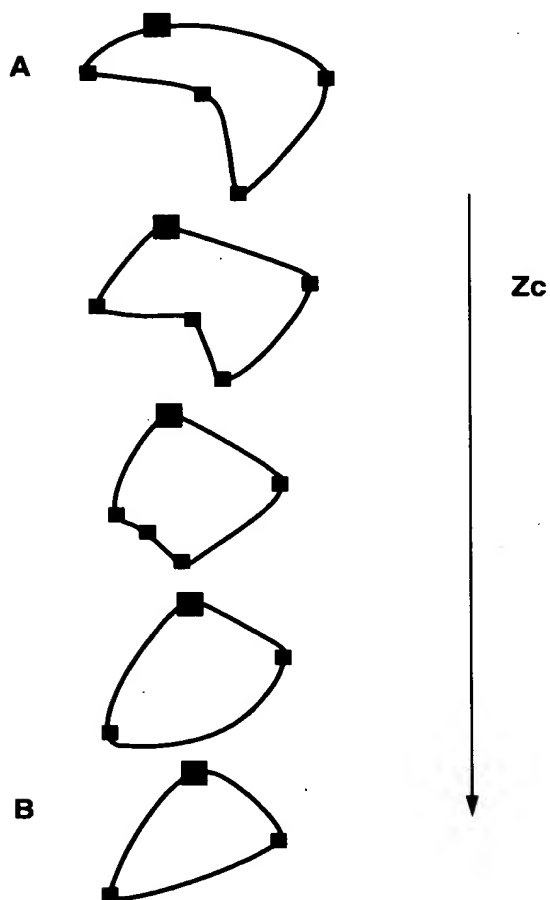


FIG.9

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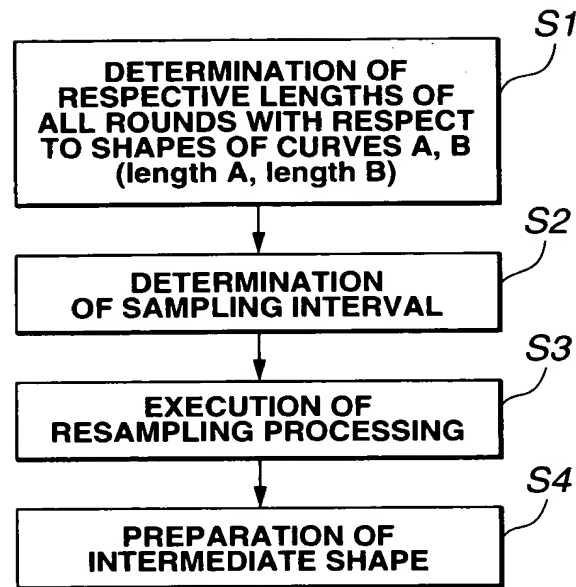


FIG.10

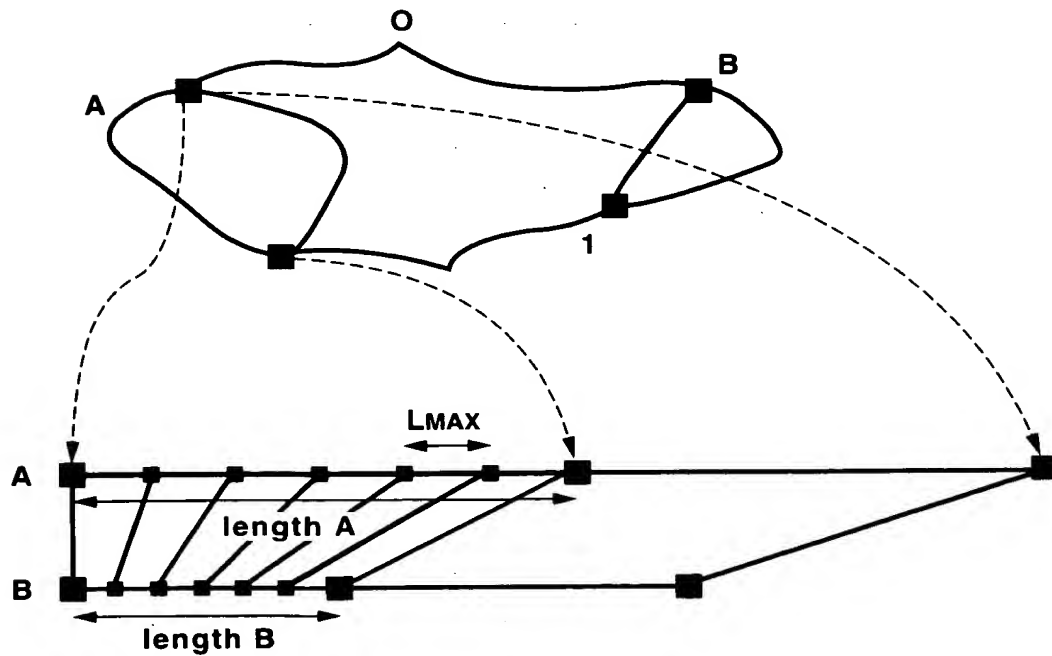
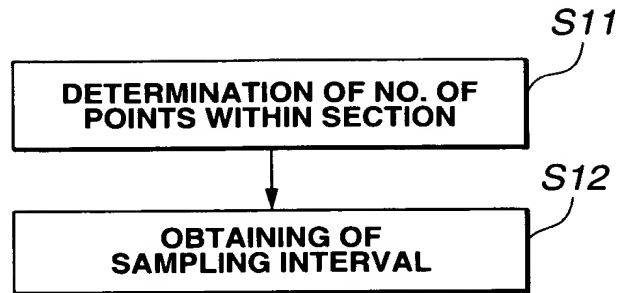
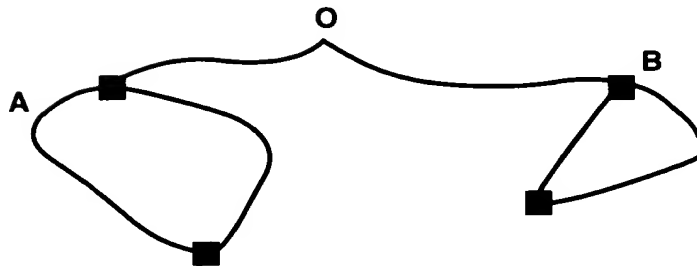


FIG.11

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**FIG.12****FIG.13**

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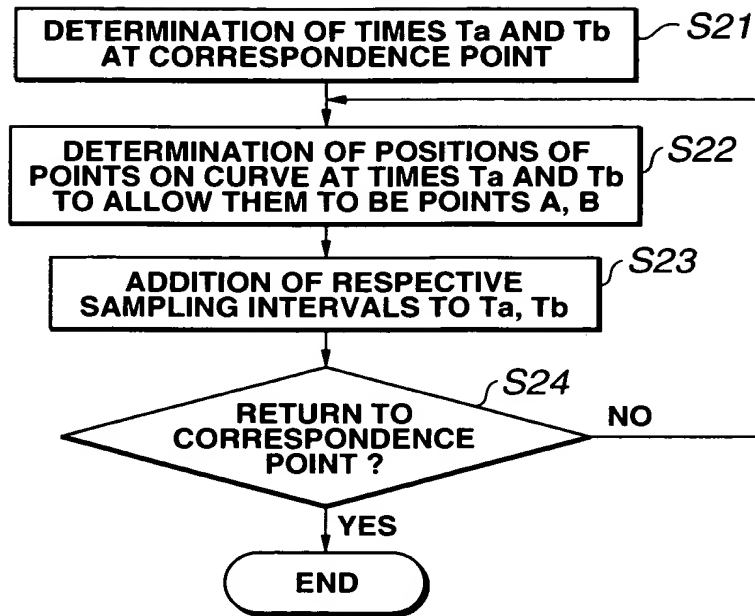


FIG.14

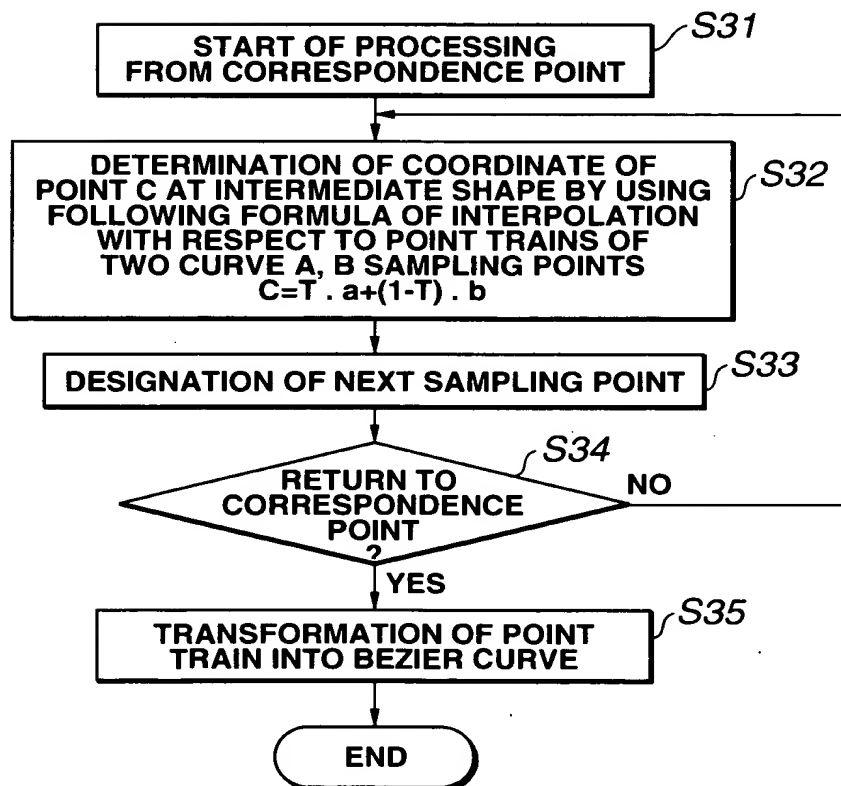
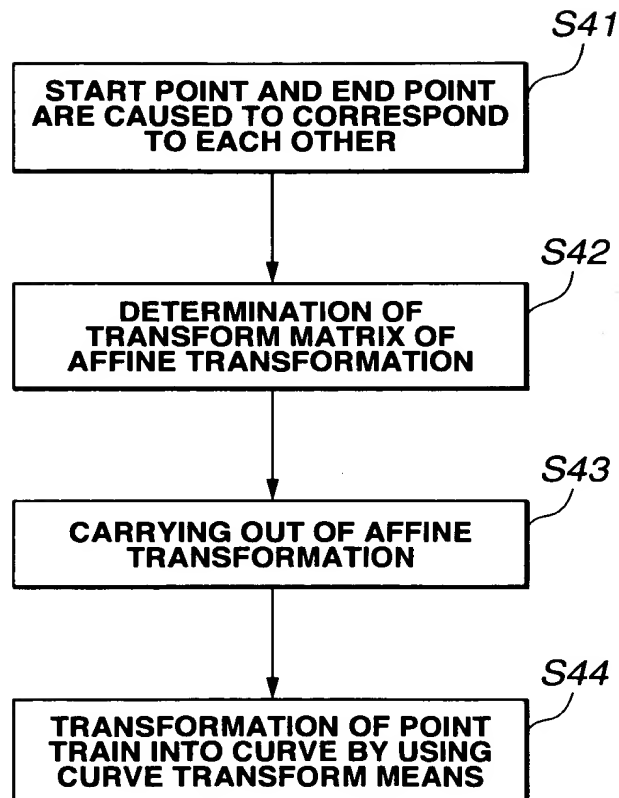


FIG.15

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**FIG.16**

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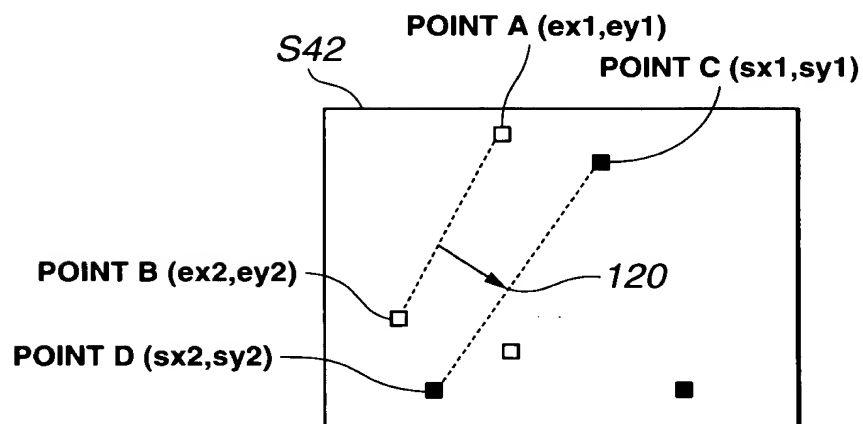
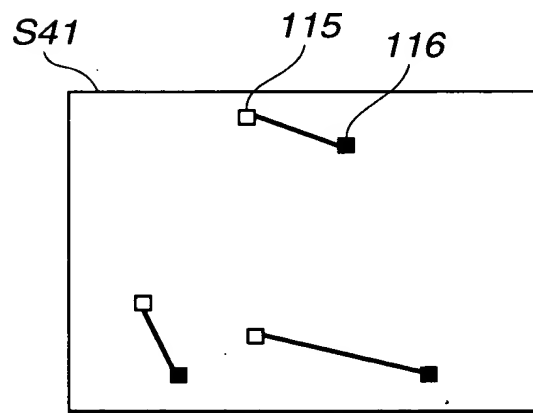
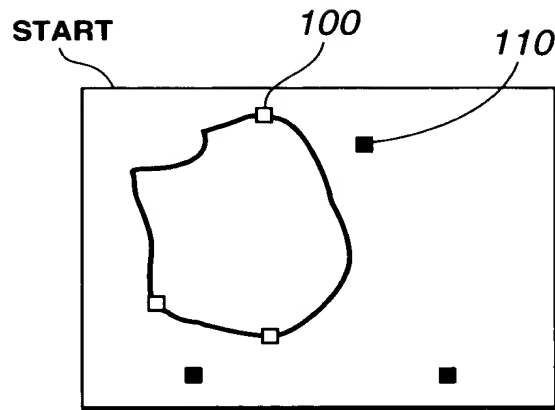


FIG.17

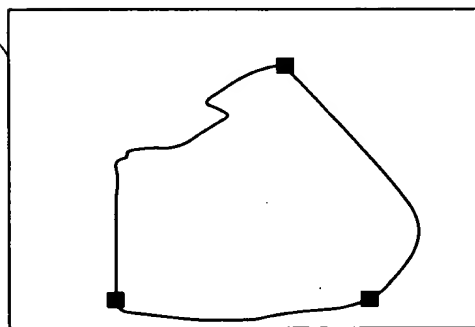
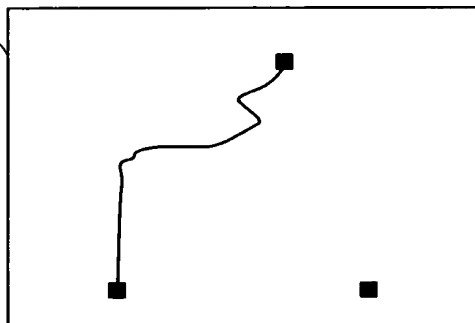
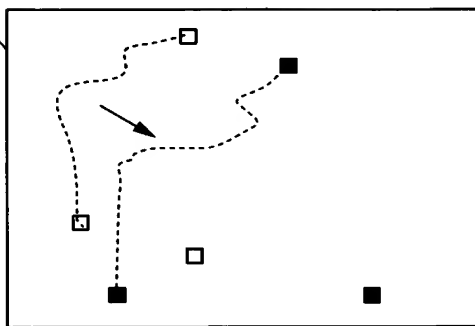
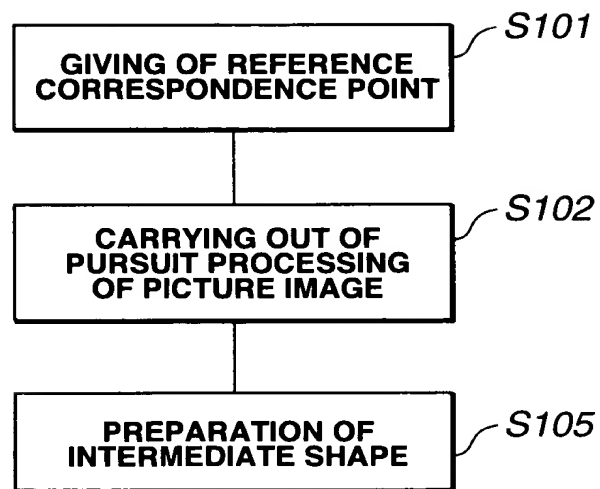


FIG.18

[illegible]

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**FIG.19**

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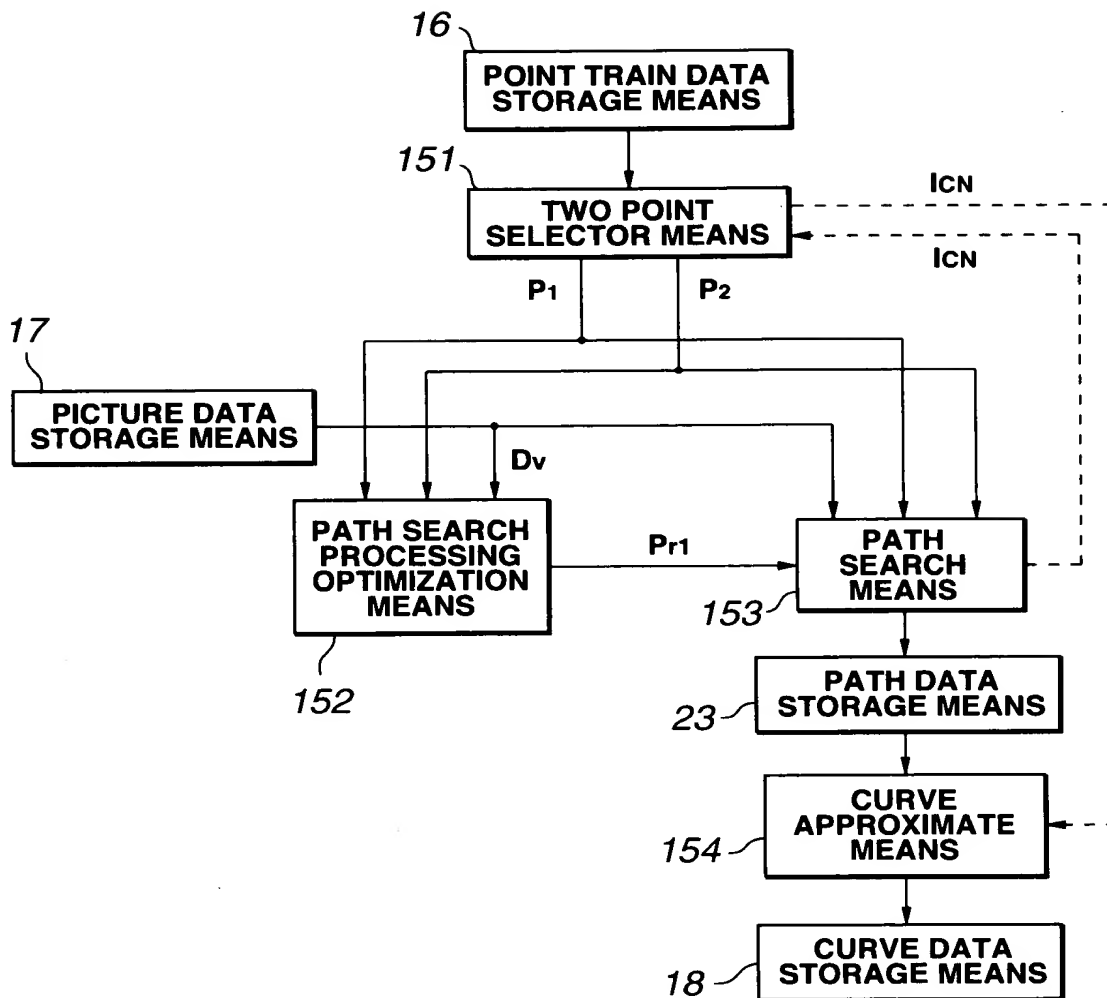
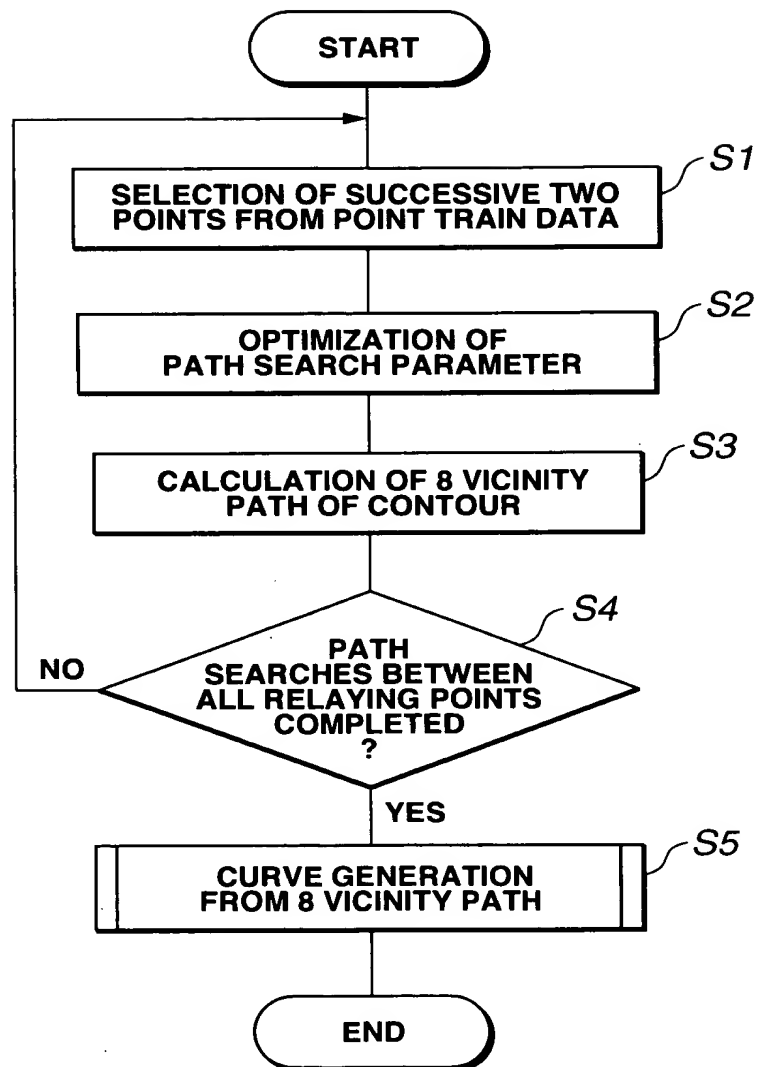


FIG.20

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**FIG.21**

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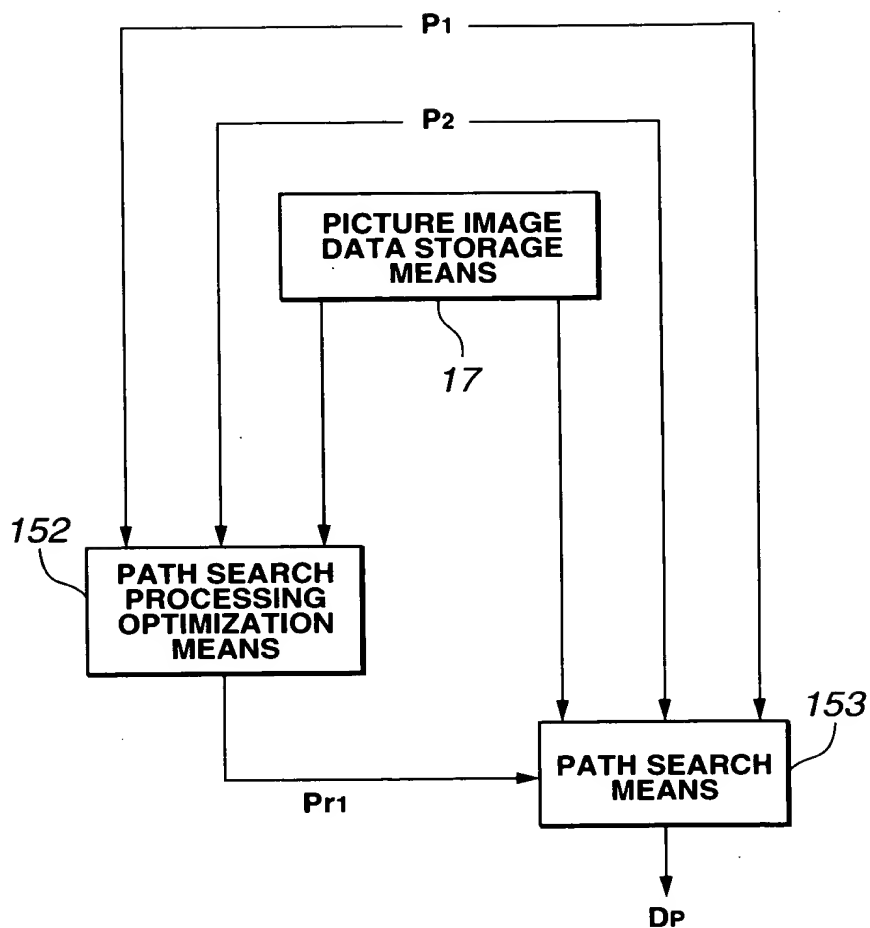


FIG.22

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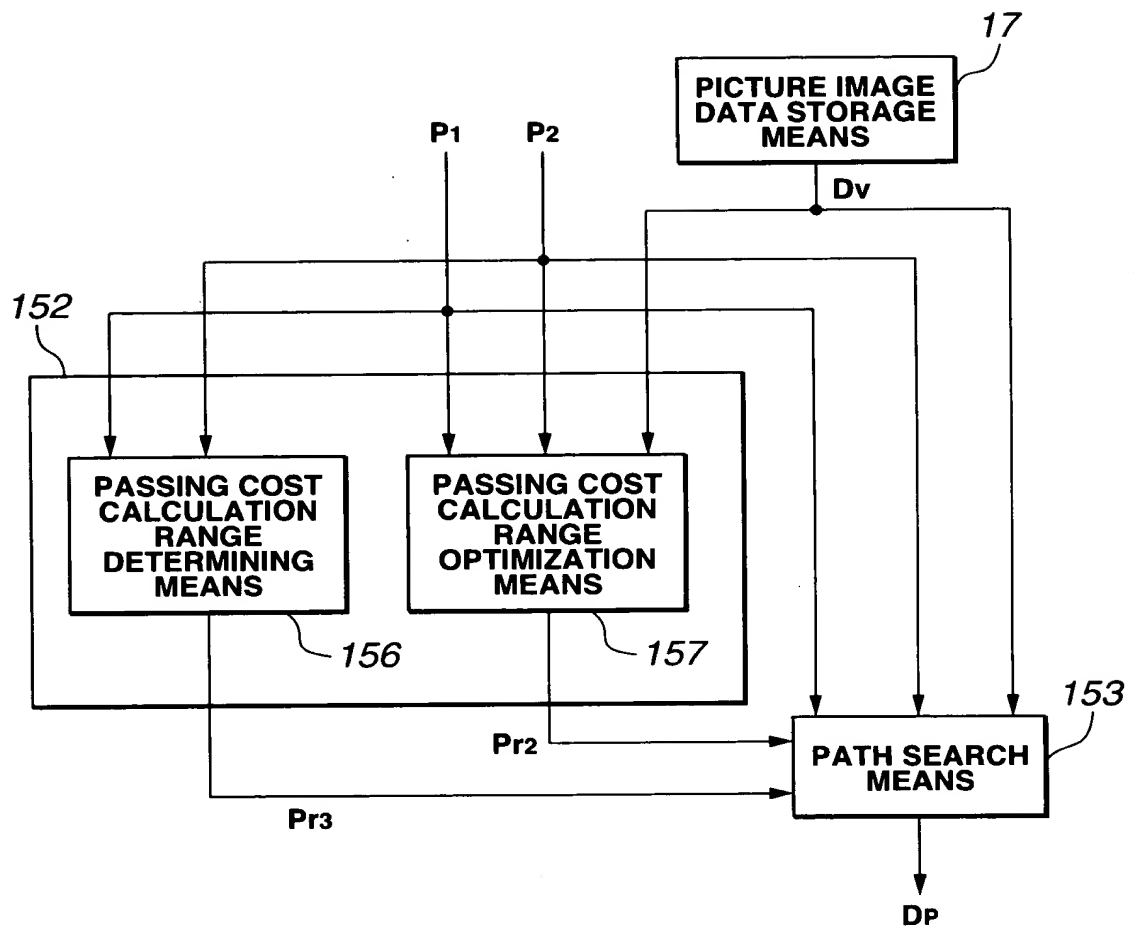
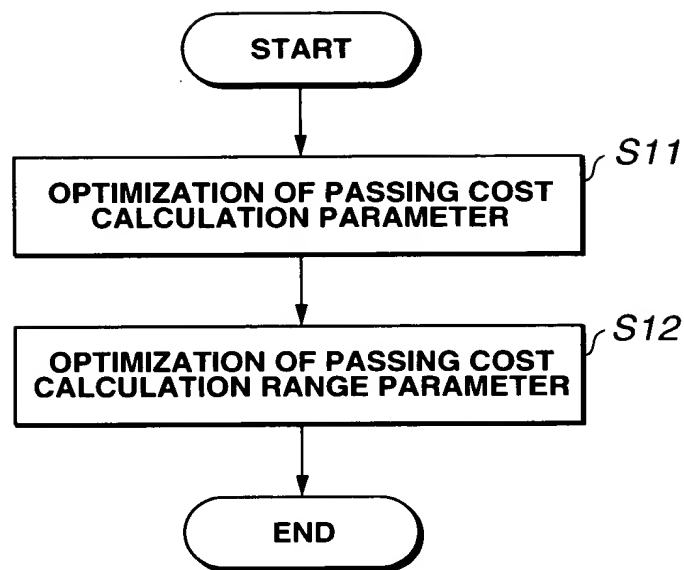


FIG.23

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**FIG.24**

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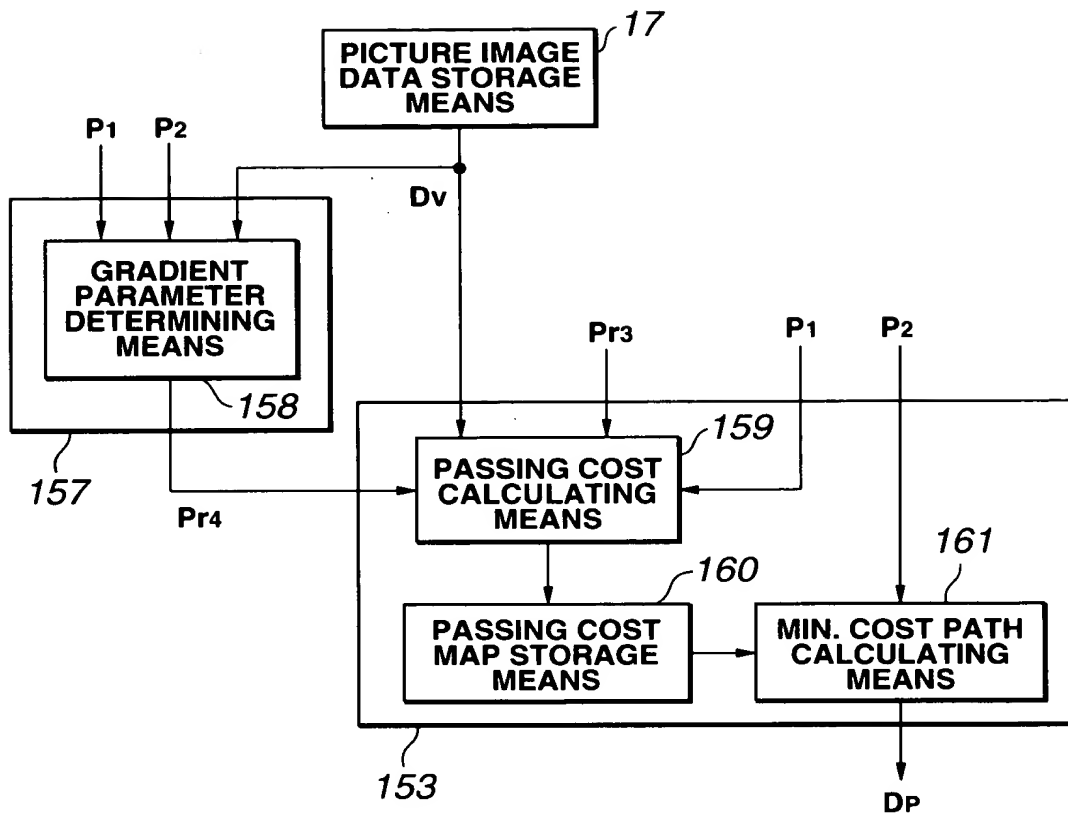


FIG.25

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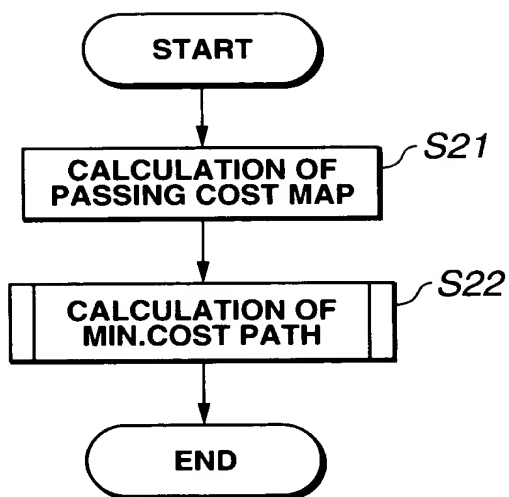


FIG.26

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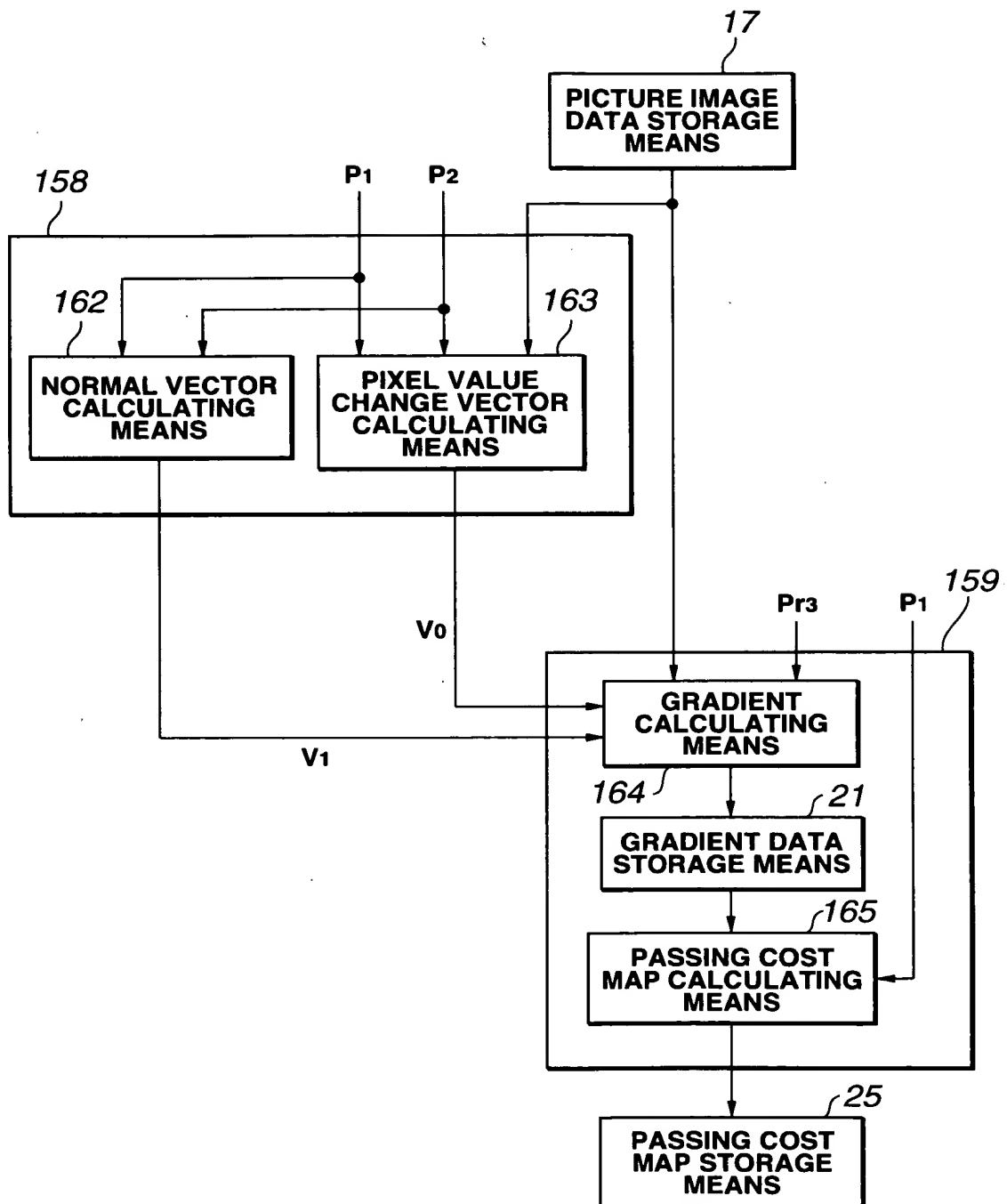


FIG.27

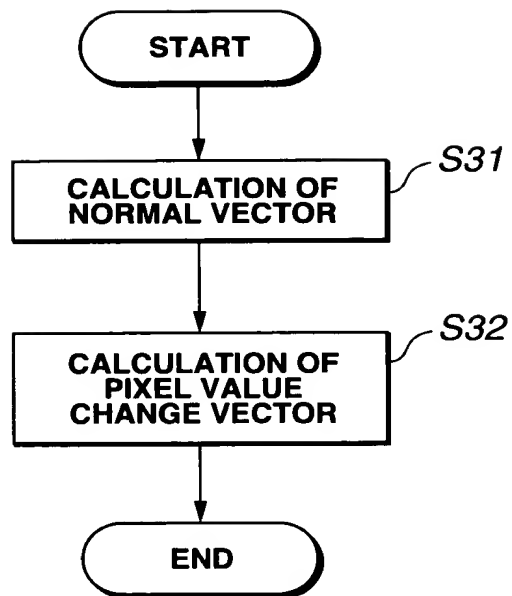


FIG.28

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FIG.29A

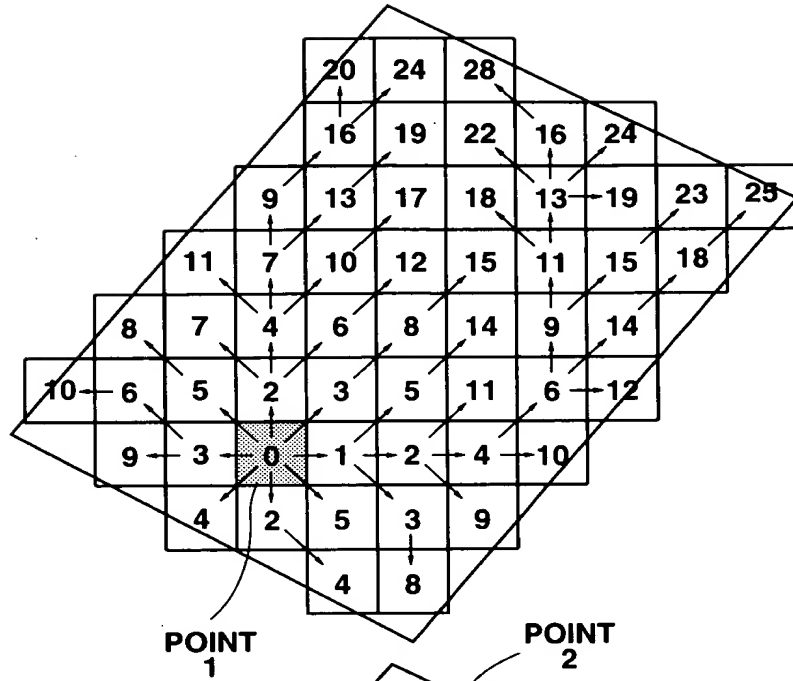
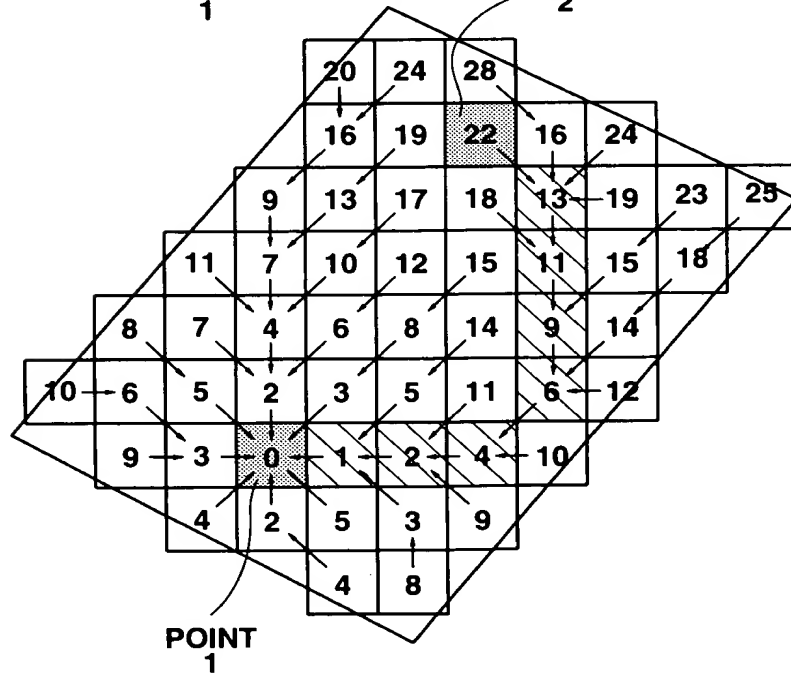


FIG.29B



Algorithm: Live-Wire 2-D DP graph search.

- s** {Start(or seed) pixel.}
- l(q,r)** {Local cost function for link between pixels q and r.}

L	{List of active pixels sorted by total cost (initially empty).}
N(q)	{Neighborhood set of q (contains 8 neighbors of pixel).}
e(q)	{Boolean function indicating if q has been expanded/processed.}
g(q)	{Total cost function from seed point to q.}

p {Pointers from each pixel indicating the minimum cost path.}

g(s)=0; L=s;	{Initialize active list with zero cost seed pixel.}
while L!=NULL do begin	{While still points to expand:}
q=min(L)	{Remove minimum cost pixel q from active list.}
e(q)=TRUE;	{Mark q as expanded(i.e.,processed).}
for each $r \in N(q)$ such that not e(r) do begin	
gtmp=g(q)+l(q,r);	{Compute total cost to neighbor.}
if $r \in L$ and gtmp < g(r) then	{Remove higher cost neighbor's}
r=L;	{ from list}
if !($r \in L$) then begin	{If neighbor not on list,}
g(r)=gtmp;	{ assign neighbor's total cost,}
p(r)=q;	{ set (or reset) back pointer,}
L=r;	{ and place on (or return to)}
end	{ active list.}
end	
end	

FIG. 30

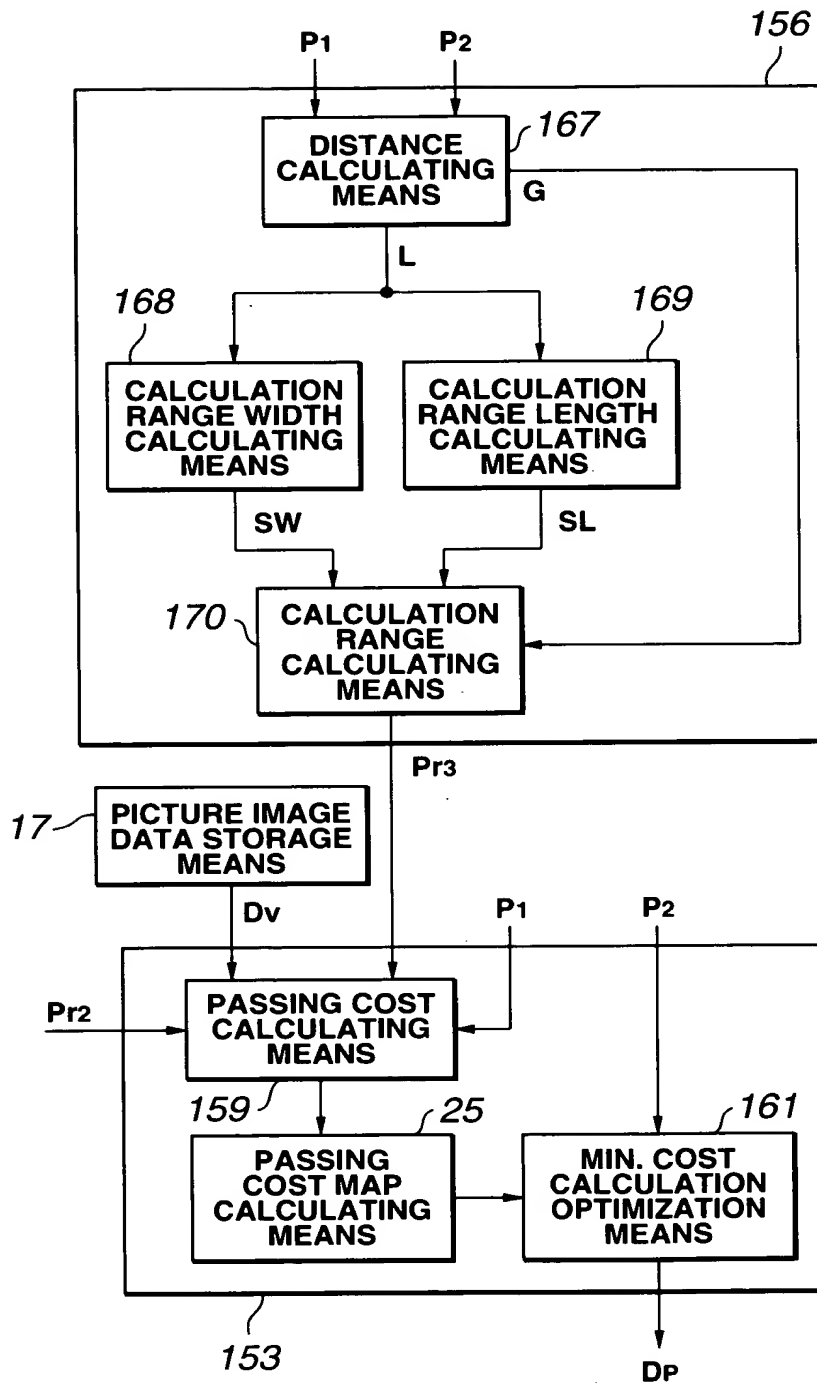


FIG.31

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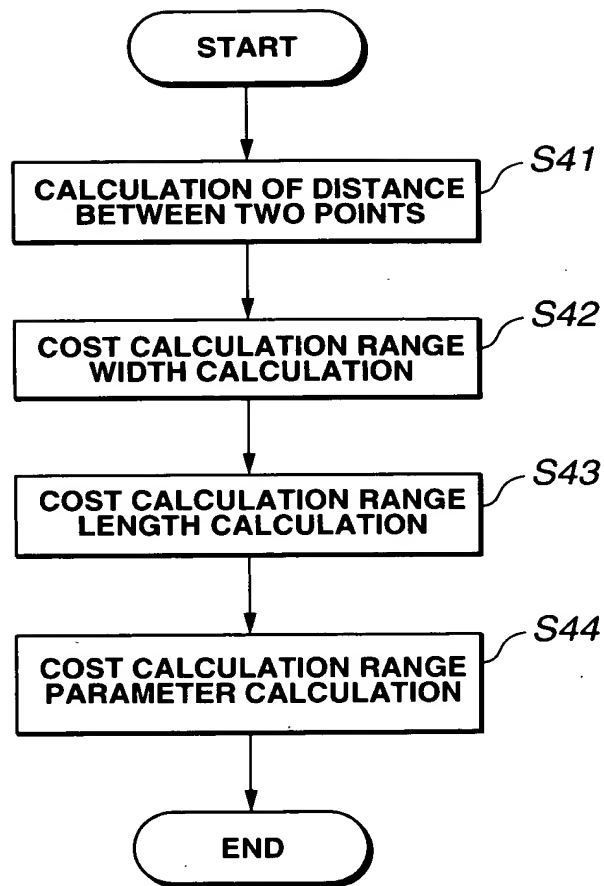


FIG.32

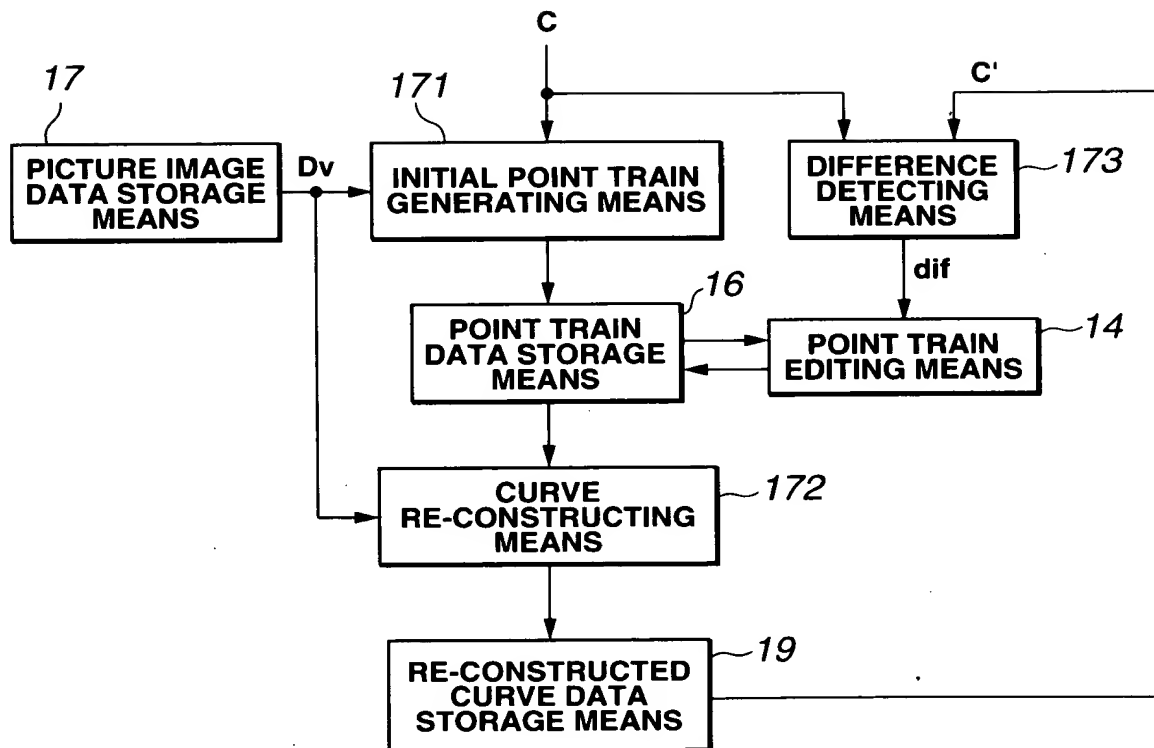


FIG.33

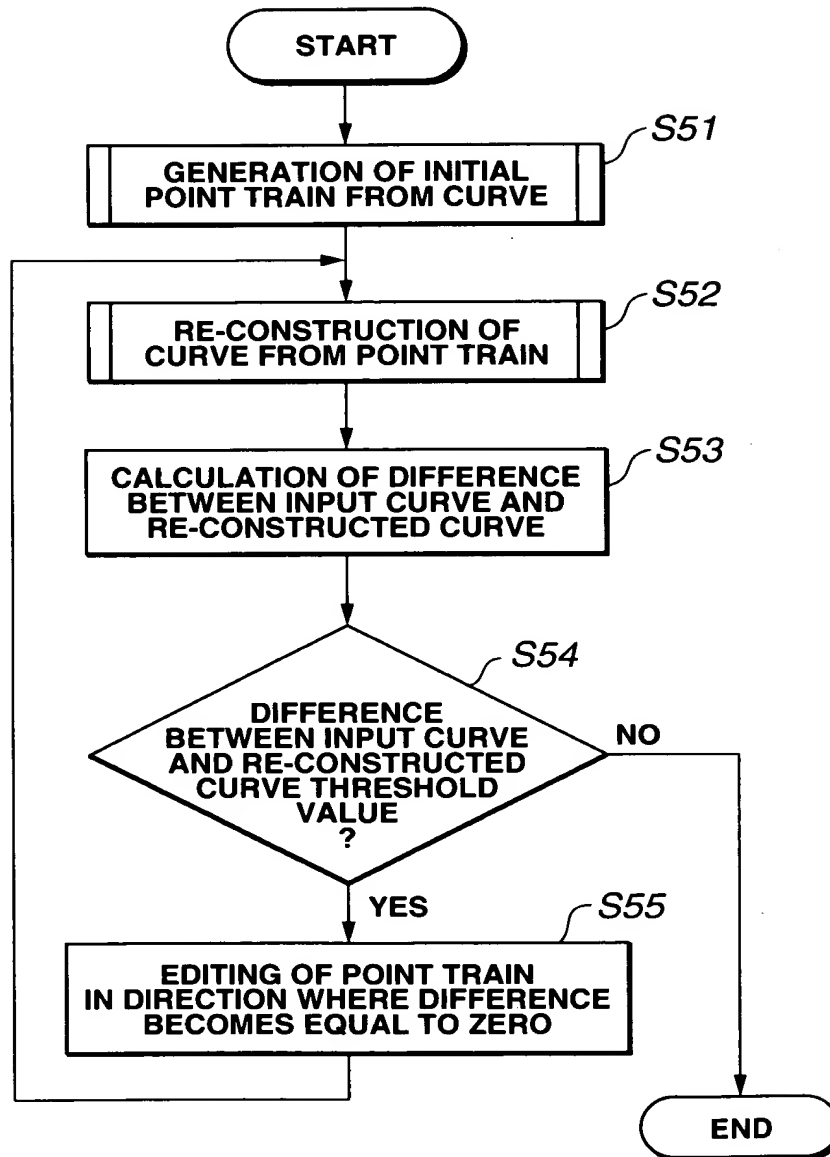


FIG.34

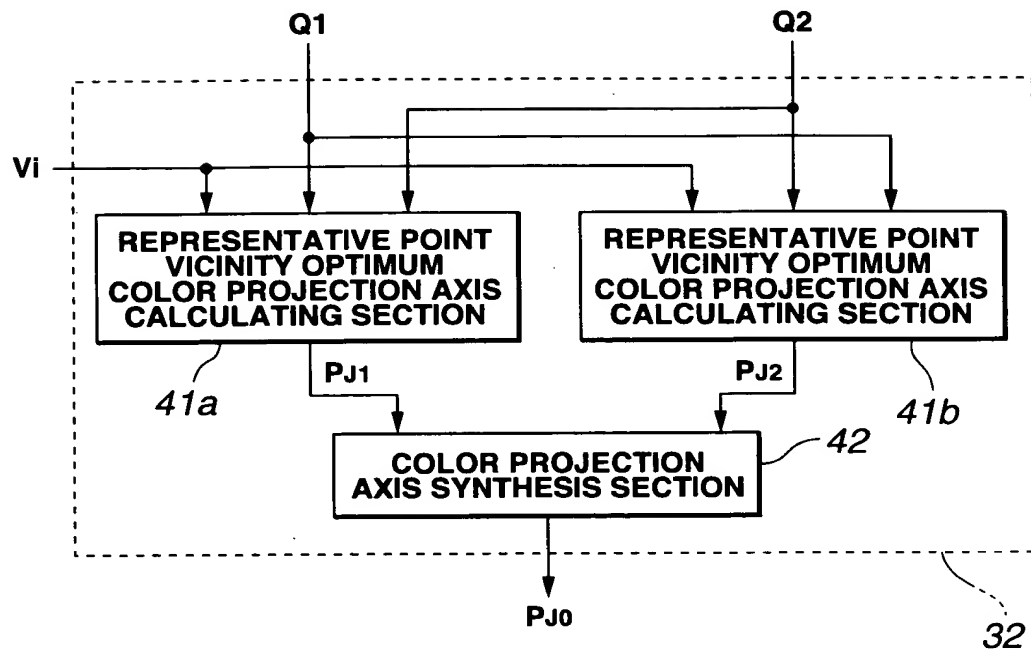


FIG.35

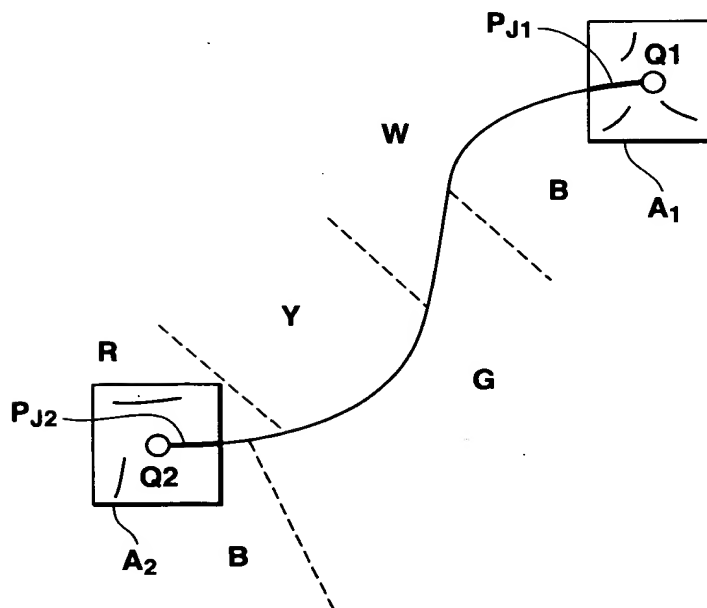


FIG.36

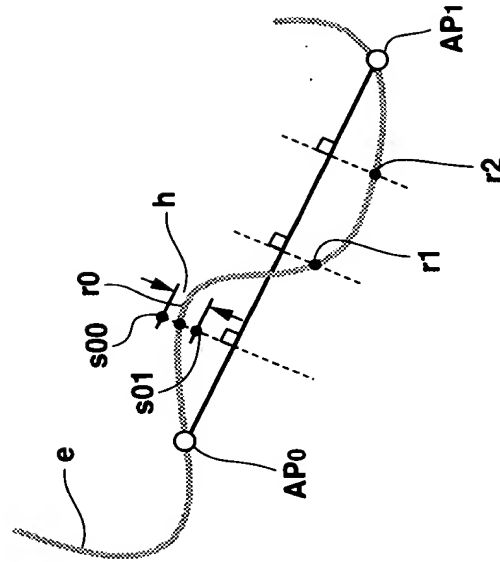


FIG. 37B

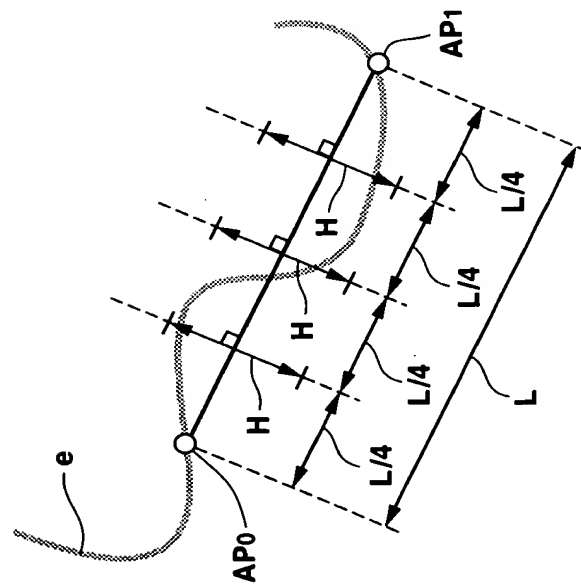


FIG. 37A